

AMENDMENTS TO THE CLAIMS

1. (currently amended) A self-ballasted fluorescent lamp comprising:

a fluorescent lamp;

a lighting circuit having a one-package switch, inductors, and capacitors, said one-package switch containing in a single package a pair of field effect transistors that serve as inverter switches for driving the fluorescent lamp, said field effect transistors being complementary; and

a circuit board having a first face facing away from said fluorescent lamp and a second face facing towards said fluorescent lamp, said first face having at least both a smoothing capacitor and a current-limiting inductor, which have relatively large dimensions, mounted thereon; wherein:

said one-package switch is a generally rectangular surface mounting device with a length and width respectively not exceeding 6 mm and provided with terminals extending from two opposing sides thereof; and

said one-package switch is surface mounted on either said first face or said second face of said circuit board through said terminals,

wherein paired drain terminals for each complementary field effect transistor are arranged side-by-side and project from one side of the package, and a gate terminal and source terminal for each complementary field effect transistor are arranged side by side and project from an opposing side of the package.

2. (original) A self-ballasted fluorescent lamp as claimed in claim 1, wherein: said fluorescent lamp has electrodes; and said one-package switch is surface mounted on said second face of said circuit board, at a location apart from said electrodes.

3. (original) A self-ballasted fluorescent lamp as claimed in claim 1, wherein: said one-package switch is surface mounted on said second face of said circuit board; and no components are mounted on the area of said first face that corresponds to the area of said second face where said one-package switch is mounted.

4. (original) A self-ballasted fluorescent lamp as claimed in claim 1, wherein: said one-package switch is surface mounted on said second face of said circuit board; and no components that emit heat are mounted on the area of said first face that corresponds to the area of said second face where said one-package switch is mounted.

5. (original) A self-ballasted fluorescent lamp as claimed in claim 1, wherein: said one-package switch is surface mounted in such an orientation that the field effect transistor that has a higher on-resistance faces the peripheral edge of said circuit board.

6. (original) A self-ballasted fluorescent lamp as claimed in claim 1, wherein: said self-ballasted fluorescent lamp comprises:

a base disposed at said second-face side of said circuit board;

a through hole formed through said circuit board so as to extend from said first face to said second face;

a long-tip type capillary tube extending from said fluorescent lamp so that the tip of said capillary tube pass through said through hole towards said base, and

a main amalgam enclosed in said capillary tube;

wherein: said one-package switch is mounted near said through hole.

7. (original) A self-ballasted fluorescent lamp as claimed in claim 1, wherein: said circuit board is a double-side mounting type; and said one-package switch is surface mounted on said first face of said circuit board.

8. (canceled).

9. (original) A self-ballasted fluorescent lamp as claimed in claim 1, wherein: the drain-source voltage of said field effect transistors is set at 200V or more, and the drain current of said field effect transistors is set at 0.5 A or more.

10. (original) A self-ballasted fluorescent lamp comprising:

a fluorescent lamp;

a lighting circuit having a one-package switch, inductors, and capacitors, said one-package switch containing in a single package, a pair of field effect transistors that serve as inverter switches for driving the fluorescent lamp;

